

## FLUORESCENT TANNING LAMP WITH IMPROVED SERVICE LIFE

### ABSTRACT OF THE DISCLOSURE

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An electrode shield for a fluorescent tanning lamp comprising an open cup encircling a filament or electrode increasing the service life of the fluorescent tanning lamp. The cup having an open end acts as a shield reducing the sputtering of impurities onto the glass tube and contaminating the phosphor surface. In one embodiment, the cup is electrically and thermally coupled to an electrode support. The life of the fluorescent tanning lamp is greatly increased despite the use of relatively high currents and large number of on and off cycles.